

Title (en)

Interferometric thickness profiles with a flatness maintaining channel for the moving material

Title (de)

Interferometrische Dickenprofile mit einem die Flachheit erhaltenden Kanal für das sich bewegende Material

Title (fr)

Profils d'épaisseurs interférométriques avec un conduit pour la conservation de la planéité du matériau en mouvement

Publication

EP 0997703 B1 20010926 (EN)

Application

EP 99203424 A 19991018

Priority

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- US 21609498 A 19981218

Abstract (en)

[origin: EP0997703A1] An apparatus for determining a thickness profile of a moving material having at least two optical interfaces. A transport apparatus transports a length of moving material at a predetermined flatness through a measurement region. A recessed track (60) disposed in the channel (52) provides an area of non-contact in the measurement region. Rollers are driven slightly different. A 1 degree flatness is achieved. A dual interferometer with a fiber head is used in an autocorrelation mode. <IMAGE>

IPC 1-7

G01B 9/02; **G01B 11/06**; **B65H 23/00**; **B29D 7/01**

IPC 8 full level

B65H 23/00 (2006.01); **B65H 43/08** (2006.01); **G01B 9/02** (2006.01); **G01B 11/06** (2006.01)

CPC (source: EP US)

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